

# **Massachusetts Recovery: Clean Energy Dollars at Work**

## ***Central Massachusetts Project Summaries***

### **Recovery Grants and Projects**

#### **Ashburnham - \$150,000**

- The Town of Ashburnham will use funding to support a 16.8 kW carport style ground-mounted Solar PV system at the Ashburnham public safety building and a 16.8 kW roof mounted system at the Oakmont Regional High School.

#### **Ayer - \$108,000**

- The Town of Ayer will use funding to upgrade the heating system and steam traps in the Ayer Waste Water Treatment Facility, as well to improve weatherization of the building by installing dropped-ceilings and adding insulation.

#### **Ayer, Peter Central LLC - \$118,185**

- Commonwealth Solar rebate from the Massachusetts Clean Energy Center (MassCEC) for a 111 kW system.

#### **Chariton, Nature's Classroom - \$22,680**

- Commonwealth Solar rebate from the MassCEC for a 15 kW system.

#### **Bellingham - \$135,675**

- The Town of Bellingham will use funding to make thermal efficiency improvements to the South Fire Station/Community Center, Bellingham Historical Museum and North Community Building. Bellingham will also add an 11 kW Solar PV system on Cliff Road.

#### **Berlin - \$65,000**

- The Town of Berlin will use funding to implement thermal efficiency measures in Berlin Memorial Hall and the Municipal Public Safety Building, including improvements to the building envelope and the HVAC system.

#### **Dunstable & Groton - \$70, 544**

- The Towns of Dunstable and Groton will use funding to implement thermal efficiency improvements at the Swallow Union School, including window replacements and building envelope improvements.

#### **Fitchburg, Fitchburg State University - \$698,037**

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building metering of electricity and gas at 48 buildings totaling 1.5 million square feet.

#### **Fitchburg, Fitchburg State University - \$223,100**

- Stimulus funds will help finance the installation of an 89 kW Solar PV system at Fitchburg State University.

**Franklin - \$143,000**

- The Town of Franklin will use funding to install a 15 kW Solar PV system at Gerald M. Parmenter Elementary School.

**Franklin, Barrett Distribution - \$161,720**

- Commonwealth Solar rebate from the MassCEC for a 198 kW system.

**Gardner - \$150,000**

- The Town of Gardner will use funding to replace the oil-fueled boiler at the Helen Mae Sauter School with high efficiency gas boilers.

**Grafton - \$143,000**

- The Town of Grafton will use funding to install a 22 kW Solar PV system at Grafton High School.

**Holden - \$82,000**

- The Town of Holden will use funding to install a 9.4 kW Solar PV System at Holden Municipal Light Department Garage and a 9.4 kW Solar PV System at Holden Senior Center.

**Hopkinton, Honey Hill Farms, LLC - \$49,300**

- Commonwealth Solar rebate from the MassCEC for a 39 kW system.

**Hudson - \$150,000**

- The Town of Hudson will use funding to install new windows at the Hudson Public Library.

**Lancaster - \$79,627**

- The Town of Lancaster will use funding to implement thermal efficiency measures at the Central Fire Station, the South Fire Station, the Police Station, and the Thayer Memorial Library, by initiating a boiler replacement, and ventilation system upgrades.

**Lunenburg - \$150,000**

- The Town of Lunenburg will use grant funding towards a power purchase agreement for a 91 kW Solar PV system at the Turkey Hill Middle School. The Town also received an award of technical assistance consulting services to assist with the power purchase agreement.

**Medway - \$150,000**

- The Town of Medway will install a 445 kW Solar PV system at Medway Middle School as part of a power purchase agreement.

**Norfolk, Norfolk/Walpole Correctional Complex– \$1.2 million**

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building metering of electricity and gas at 68 buildings totaling over 1.6 million square feet at MCI Norfolk, Bay State Correctional, Pondville Correctional and Cedar Junction (state correctional facilities).

**Norfolk, Bay State Correctional Center – \$200,000**

- Stimulus funds will help finance the installation of an 81 kW ground-mounted self-tracking solar PV system at the Bay State Correctional Center.

**Princeton, Massachusetts Audubon Society – Princeton Hey Day Barn - \$8,970**

- Commonwealth Solar rebate from the MassCEC for a 6 kW system.

**Princeton, Massachusetts Audubon Society - Princeton Ground Mounted - \$7,590**

- Commonwealth Solar rebate from the MassCEC for a 5 kW system.

**Shirley, Shirley Correctional Complex – \$803,191**

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building metering of electricity and gas at 49 buildings totaling nearly 1.2 million square feet MCI Shirley and Souza Baranowski (state correctional facilities).

**Shirley, MCI Shirley - \$515,200**

- Stimulus funds will help finance the installation of a 206 kW ground-mounted solar PV system at the Shirley Correctional Institution.

**Shrewsbury - \$150,000**

- The Town of Shrewsbury will implement HVAC control system upgrades at the Calvin Coolidge Elementary School, which is part of a larger grouping of energy efficiency improvements that are supported by the Shrewsbury municipal light department, SELCO.

**Sterling, Meadowbrook Orchards - \$27,720**

- Commonwealth Solar rebate from the MassCEC for an 18 kW system.

**Sutton - \$150,000**

- The Town of Sutton will install a 200 kW Solar PV system on the roof of the Sutton Early Learning Center. The Town has also received an award of technical assistance consulting services to assist with this project.

**Townsend - \$53,730**

- The Town of Townsend will use funding to implement thermal efficiency measures at the West Townsend Reading Room (insulation and furnace replacement) and the West Townsend Fire Station (insulation and boiler replacement).

**West Brookfield, West Brookfield Elementary School - \$114,775**

- Commonwealth Solar rebate from the MassCEC for a 104 kW system.

**Westborough, Conservation Services Group - \$1.7 million**

- Conservation Services Group and its partners will administer the first comprehensive oil-heat energy efficiency program in the Commonwealth. The program will provide services and rebates to moderate income families using inefficient oil heat to help them pursue energy audits, basic energy efficiency upgrades, and rebates for high-efficiency boilers. The program will replace a significant number of inefficient old boiler systems in the state.

**Westborough, DJ Realty Trust; Dan's Jeep - \$62,180**

- Commonwealth Solar rebate from the MassCEC for a 50 kW system.

**Westborough, DJ Realty Trust; Mitsubishi of Westborough - \$62,180**

- Commonwealth Solar rebate from the MassCEC for a 50 kW system.

**Worcester, Quinsigamond Community College – \$169,015**

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building metering of electricity and gas at eight buildings totaling 335,729 square feet.

**Worcester, Worcester State University - \$106,500**

- Stimulus funds will leverage \$87,300 in outside capital to finance the installation of a 40.8kW solar PV system at Wasylean Hall.

**Worcester, Franklin Realty Advisors – Worcester Business Center - \$119,080**

- Commonwealth Solar rebate from the MassCEC for a 113 kW system.

**Worcester, Bancroft School – \$112,320**

- Commonwealth Solar rebate from the MassCEC for a 99kW system.

**Statewide ARRA Initiatives**

- **\$3.3 million of ARRA funding** was provided to the Division of Capital Asset Management for addition staffing resources to dramatically increase energy projects at state facilities. The funding is expected to leverage eight (8) projects in Central Massachusetts. To date, the following leveraged projects are underway:

- Comprehensive Energy Conservation Project at **Worcester** Sheriff's Jail and House of Correction
  - Comprehensive Energy Conservation Project at various Department of Mental Health facilities, including Worcester State Hospital and the Hadley Building in **Westborough**
  - Comprehensive Energy Conservation Project at State Police facilities, including the State Police Training Academy in **New Braintree**
  - Two 1.65 MW wind turbines at Department of Correction NCCI **Gardner**
  - Two 1.65 MW wind turbines at Mount Wachusett Community College in **Gardner**
- **\$825,000** of American Recovery and Reinvestment Act (ARRA) funding was awarded through the Department of Energy Resources' (DOER) Green Communities Division to provide technical assistance consulting services to Massachusetts municipalities for energy efficiency and renewable energy projects. This includes \$40,000 of technical assistance awarded to two municipalities in Central Massachusetts listed above.
- **\$8 million** of American Recovery and Reinvestment Act (ARRA) funding was provided to the MassCEC to install 8 MW of solar capacity across the Commonwealth, leveraging \$32 million of additional funding. This includes 12 projects in Central Massachusetts listed above.
- **\$8.2 million** of American Recovery and Reinvestment Act (ARRA) funding was provided through the Department of Energy Resources to the Division of Capital Asset Management (DCAM) and other state entities to support a comprehensive solar stimulus effort that will install nearly 4 megawatts (MW) of solar PV capacity at state facilities. This includes 4 projects in Central Massachusetts listed above.
- **\$10 million** of American Recovery and Reinvestment Act (ARRA) funding is being used by the Department of Energy Resources to implement an Enterprise Energy Management System that will measure real-time energy use and identify efficiency opportunities at more than 400 buildings, covering 17 million square feet of state government facilities, resulting in energy savings between 5 percent and 15 percent. This includes 4 complexes in Central Massachusetts listed above.
- **\$175,000** of American Recovery and Reinvestment Act (ARRA) funding was awarded by the Department of Energy Resources' (DOER) Green Communities Division to provide building energy code training to all municipal building code officials at no cost. Central Massachusetts municipalities have been participating in this training.
- **\$500,000** of American Recovery and Reinvestment Act (ARRA) funding was invested by the Department of Energy Resources' (DOER) Green Communities Division in the development and implementation of an online tool known as MassEnergyInsight (MEI) available to all 351 municipalities at no cost to track their energy consumption and costs. This tool allows municipalities to make more informed decisions related to their energy needs. Central Massachusetts municipalities have been trained on the tool and are actively using it.